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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant : Gary A. Clawson et al. Art Unit : 1635
Serial No. : 10/519,122 Examiner : Sean McGarry
Filed : August 8, 2005
Title : METHODS AND MATERIALS FOR TREATING HUMAN
 PAPILLOMAVIRUS INFECTIONS

Mail Stop Amendment
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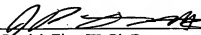
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1. Information Disclosure Statement (1 page);
2. Form PTO-1449 (6 pages);
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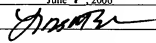

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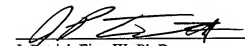
INFORMATION DISCLOSURE STATEMENT

Applicants request consideration of the references listed on the attached PTO-1449 form. Under 37 C.F.R. § 1.98 (a)(2)(ii), only copies of foreign patent documents and/or non-patent literature are enclosed. Copies of any listed U.S. patents or U.S. patent application publications can be provided upon request.

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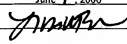

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Substitute Form PTO-1449
(Revised)U.S. Department of Commerce
Patent and Trademark OfficeAttorney's Docket No.
14017-008US1Application No.
10/519,122**Information Disclosure Statement
by Applicant**

(Use several sheets if necessary)

Applicant
Gary A. Clawson et al.Filing Date
August 8, 2005Group Art Unit
1635

(37 CFR 1.98(b))

U.S. Patent Documents

Examiner Initial	Desig. ID	Document Number	Publication Date	Patentee	Class	Subclass	Filing Date If Appropriate
/SM/	1	4,511,713	04/16/85	Miller et al.			
	2	4,560,678	12/24/85	Ranson			
	3	4,689,320	08/25/87	Kaji			
	4	4,740,463	04/26/88	Weinberg et al.			
	5	4,814,268	03/21/89	Kreider et al.			
	6	4,849,331	07/18/89	Lorincz			
	7	4,849,332	07/18/89	Lorincz			
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	9	4,908,306	03/13/90	Lorincz			
	10	4,983,728	01/08/91	Herzog et al.			
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	12	5,057,411	10/15/91	Lancaster et al.			
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/SM/	27	5,589,466	12/31/96	Felgner et al.			

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Substitute Form PTO-1449 (Modified)	U.S. Department of Commerce Patent and Trademark Office	Attorney's Docket No. 14017-008US1	Application No. 10/519,122
Information Disclosure Statement by Applicant (Use several sheets if necessary)		Applicant Gary A. Clawson et al.	
		Filing Date August 8, 2005	Group Art Unit 1635

(37 CFR §1.98(b))

U.S. Patent Documents

Examiner Initial	Desig. ID	Document Number	Publication Date	Patentee	Class	Subclass	Filing Date If Appropriate
/SM/	28	5,591,574	01/07/97	Orth et al.			
	29	5,595,884	01/21/97	Androphy et al.			
	30	5,627,159	05/06/97	Shih et al.			
	31	5,643,715	07/01/97	Lancaster			
	32	5,656,423	08/12/97	Orth et al.			
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	34	5,674,835	10/07/97	Androphy et al.			
	35	5,681,944	10/28/97	Crooke et al.			
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	50	5,981,173	11/09/99	Orth et al.			
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	52	6,020,202	02/01/00	Jessee			
	53	6,022,863	02/08/00	Peyman			
/SM/	54	6,025,163	02/15/00	Shamanin et al.			

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/SM/	55	6,028,188	02/22/00	Arnold, Jr. et al.			
↓	56	6,051,429	04/18/00	Hawley-Nelson et al.			
	57	6,060,456	05/09/00	Arnold, Jr. et al.			
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	59	6,084,090	07/04/00	DiPaolo et al.			
	60	6,087,341	07/11/00	Khavari et al.			
	61	6,107,086	08/22/00	Cole et al.			
	62	6,127,164	10/03/00	de Villiers et al.			
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	64	6,172,048	01/09/01	Behr et al.			
	65	6,174,870	01/16/01	Crooke et al.			
	66	6,271,359	08/07/01	Norris et al.			
	67	6,326,174	12/04/01	Joyce et al.			
	68	6,506,559	01/14/03	Fire et al.			
/SM/	69	60/449,066	02/21/03	Clawson			

Foreign Patent Documents or Published Foreign Patent Applications

Examiner Initial	Desig. ID	Document Number	Publication Date	Country or Patent Office	Class	Subclass	Translation	
							Yes	No
/SM/	70	EP 477 972	09/04/96	EPO				
↓	71	WO 93/20095	10/14/93	WIPO				
	72	WO 95/28942	11/02/95	WIPO				
	73	WO 96/20013	07/04/96	WIPO				
	74	WO 97/27206	07/31/97	WIPO				
	75	WO 98/04575	02/05/98	WIPO				
	76	WO 98/37240	08/27/98	WIPO				
	77	WO 99/14377	03/25/99	WIPO				
/SM/	78	WO 00/09673	02/24/00	WIPO				

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							Yes	No
/SM/	79	WO 00/14244	03/16/00	WIPO				
/SM/	80	WO 00/34466	06/15/00	WIPO				
/SM/	81	WO 00/60115	10/12/00	WIPO				
/SM/	82	WO 02/46449	06/13/02	WIPO				

Other Documents (include Author, Title, Date, and Place of Publication)

Examiner Initial	Desig. ID	Document
/SM/	83	GenBank Accession No. K02718 dated 3/18/94, 6 pages
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	85	GenBank Accession No. X05015 dated 4/18/05, 6 pages
	86	Alvarez-Salas et al., "Inhibition of HPV-16 E6/E7 immortalization of normal keratinocytes by hairpin ribozymes," <i>Proc. Natl. Acad. Sci. USA</i> , 1998, 95:1189-1194
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	92	Chen et al., "Effectiveness of three ribozymes for cleavage of an RNA transcript from human papillomavirus type 18," <i>Cancer Gene Ther.</i> , 1995, 2(4):263-271
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	96	Garber, "Prescription RNA," <i>Technology Review</i> , 2002, pp. 42-48
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/SM/	98	Jiang and Milner, "Selective silencing of viral gene expression in HPV-positive human cervical carcinoma cells treated with siRNA, a primer of RNA interference," <i>Oncogene</i> , 2002, 21:6041-6048

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Other Documents (include Author, Title, Date, and Place of Publication)

Examine r Initial	Desig. ID	Document
/SM/	99	Kreider et al., "Laboratory Production In Vivo of Infectious Human Papillomavirus Type 11," <u>J. Virol.</u> , 1987, 61(2):590-593
	100	Kunke et al., "Preclinical study on gene therapy of cervical carcinoma using adeno-associated virus vectors," <u>Cancer Gene Ther.</u> , 2000, 7(5):766-777
	101	Laemmli, "Cleavage of Structural Proteins during the Assembly of the Head of Bacteriophage T4," <u>Nature</u> , 1970, 227:680-685
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	103	Lieber and Strauss, "Selection of Efficient Cleavage Sites in Target RNAs by Using a Ribozyme Expression Library," <u>Mol. Cell. Biol.</u> , 1995, 15(1):540-551
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	106	Okumoto et al., "Factors that Contribute to Efficient Catalytic Activity of a Small Ca ²⁺ -Dependent Deoxyribozyme in Relation to Its RNA Cleavage Function," <u>Biochemistry</u> , 2003, 42(7):2158-2165
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	112	Santiago et al., "New DNA Enzyme Targeting Egr-1 mRNA Inhibits Vascular Smooth Muscle Proliferation and Regrowth after Injury," <u>Nat. Med.</u> , 1999, 5(11):1264-1269
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/SM/	119	Templeton et al., "Improved DNA: liposome complexes for increased systemic delivery and gene expression," <u>Nat. Biotechnol.</u> , 1997, 15:647-652

Examiner Signature	/Sean McGarry/	Date Considered	08/27/2007
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/SM/	120	Venturini et al., "Kinetic selection of HPV 16 E6/E7-directed antisense nucleic acids: anti-proliferative effects on HPV 16-transformed cells," <u>Nucl. Acids Res.</u> , 1999, 27(7):1585-1592
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Examiner Signature /Sean McGarry/	Date Considered 04/25/2008
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